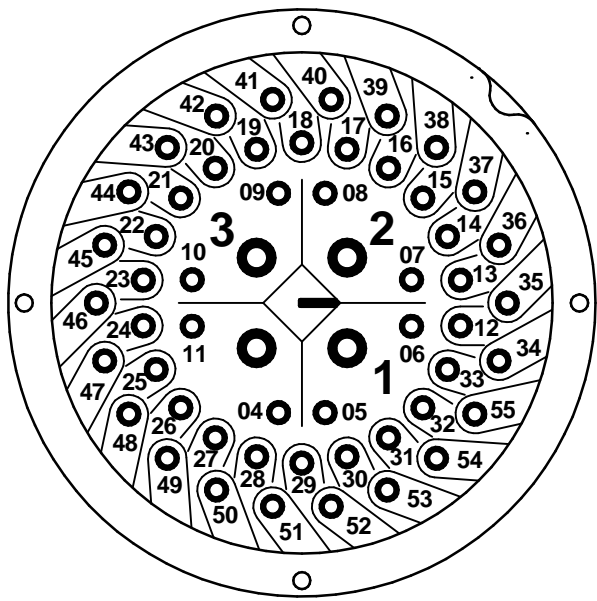


PLUG-AND-SOCKET CONNECTOR LAYOUT



**LEGENDS:**

- |                                                                  |                                                        |                                                                                    |
|------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>M1</b> ELECTRIC MOTOR                                         | <b>ACTS</b> AUXILIARY CLOSE TORQUE SWITCH              | <b>CTS</b> CLOSE TORQUE SWITCH                                                     |
| <b>R1</b> RELAY OUTPUT No1 (SETTABLE)                            | <b>AOTS</b> AUXILIARY OPEN TORQUE SWITCH               | <b>OTS</b> OPEN TORQUE SWITCH                                                      |
| <b>R2</b> RELAY OUTPUT No2 (SETTABLE)                            | <b>ACLS</b> AUXILIARY CLOSE LIMIT SWITCH               | <b>CLS</b> CLOSE LIMIT SWITCH                                                      |
| <b>R3</b> RELAY OUTPUT No3 (SETTABLE)                            | <b>AOLS</b> AUXILIARY OPEN LIMIT SWITCH                | <b>OLS</b> OPEN LIMIT SWITCH                                                       |
| <b>R4</b> RELAY OUTPUT No4 (SETTABLE)                            | <b>IP1</b> VALVE MIDDLE TRAVEL POSITION SWITCH (No 1)  | <b>TRM</b> THERMAL PROTECTION DEVICE (MOTOR WIND.)                                 |
| <b>R5</b> RELAY OUTPUT No5 (SETTABLE)                            | <b>IP2</b> VALVE MIDDLE TRAVEL POSITION SWITCH (No 2)  | <b>HT</b> ANTI-CONDENSATION HEATER                                                 |
| <b>R6</b> RELAY OUTPUT No6 (SETTABLE)                            | <b>IP3</b> VALVE MIDDLE TRAVEL POSITION SWITCH (No 3)  | <b>BLK</b> BLINKER SWITCH                                                          |
| <b>R7</b> RELAY OUTPUT No7 (SETTABLE)                            | <b>IP4</b> VALVE MIDDLE TRAVEL POSITION SWITCH (No 4)  | <b>POT</b> POTENTIOMETER (VALVE POSITION SIGNAL)                                   |
| <b>R8</b> RELAY OUTPUT No8 (SETTABLE)                            | <b>CPT</b> CURRENT POSITION TRANSMITTER                | <b>CPT</b> CURRENT POSITION TRANSMITTER (VALVE POSITION SIGNAL)                    |
| <b>R9</b> RELAY OUTPUT No9 (SETTABLE)                            | <b>CTT</b> CURRENT TORQUE TRANSMITTER                  | <b>DSM</b> DIGITAL SWITCH MECHANISM (ELECTRONIC VALVE POSITION AND TORQUE SIGNALS) |
| <b>R10</b> RELAY OUTPUT No10 (SETTABLE)                          | <b>CPT.LP</b> CURRENT POSITION TRANSMITTER, LOOP POWER |                                                                                    |
| <b>R11</b> RELAY OUTPUT No11 (SETTABLE)                          | <b>CTT.LP</b> CURRENT TORQUE TRANSMITTER, LOOP POWER   |                                                                                    |
| <b>R12</b> RELAY OUTPUT No12 (SETTABLE)                          |                                                        |                                                                                    |
| <b>CS</b> CUSTOMER SUPPLY                                        |                                                        |                                                                                    |
| <b>BS</b> BACKUP SUPPLY                                          |                                                        |                                                                                    |
| <b>POSITIONER</b> POSITIONER IN/OUT ANALOG SIGNAL                |                                                        |                                                                                    |
| <b>POSITIONER.LP</b> POSITIONER IN/OUT ANALOG SIGNAL, LOOP POWER |                                                        |                                                                                    |
| <b>MONIT</b> MONITOR RELAY                                       |                                                        |                                                                                    |
| <b>FIELDBUS</b> FIELDBUS CARD                                    |                                                        |                                                                                    |
| <b>REMOTE</b> REMOTE INPUT CARDS                                 |                                                        |                                                                                    |

**NOTES:**

1. THE TERMINAL PLAN SHOWS THE MULTI-TURN ELECTRIC ACTUATOR IN INTERMEDIATE POSITION, ACTUATOR CLOSES VALVE CLOCKWISE.
2. SEE ACTUATOR USER MANUAL AND DATASHEETS FOR TECHNICAL DATA, PARAMETERS AND DESCRIPTION OF THE ACTUATOR ELECTRIC AND ELECTRONIC EQUIPMENT.
3. IF THE ACTUATOR IS CONFIGURED TO BYPASS THE MOTOR PROTECTION THERMOSTAT (TRM), THE ACTUATOR WILL NO LONGER COMPLY WITH THE ESSENTIAL SAFETY REQUIREMENTS.
4. THE USER MUST FIT A CLASS 10 OVERLOAD RELAY. THE RELAY MUST BE SIZED ACCORDING TO THE OVERCURRENT PROT. DEVICE SETTING VALUE FOR THE MOTOR.
5. REFER TO THE MOTOR DATA SHEET FOR THIS VALUE. THE OVERLOAD RELAY MUST BE SIZED TO ENSURE THAT IT TRIPS WITHIN 10 SECONDS IN A FAULT CONDITION.
6. THE USER MUST COMPLETE A RISK ASSESSMENT AND IMPLEMENT WHATEVER MEASURES ARE REQUIRED TO ENSURE THAT THE RESULTANT SYSTEM COMPLIES WITH ALL APPLICABLE LEGISLATION.

PARAMETER	VALUE	DESCRIPTION
TYPE	K	MULTI-TURN ELECTRIC ACTUATOR, WITH CENTRONIK (DIGITAL SWITCH MECH)
MAIN POWER SUPPLY	0	A.C. THREE PHASE
EXTRA CARD No 1	B	POSITIONER IN/OUT ANALOG SIGNAL
EXTRA CARD No2	0	NO (WITHOUT)
MOTOR STARTER	1	SOLID STATE RELAY (THYRISTORS)
CUSTOMER SUPPLY & BLUETOOTH	0	24VDC±20% AT MAX.POW.OUTPUT 5W.
BACKUP SUPPLY & HEATER	2	NO BACKUP SUPPLY, HEATER INCLUDED
EXTRA SWITCH	A	VISUAL INDICATOR DISC (SEE NOTE 1)

ISSUE		DATE		ISSUE		DATE	
1	FIRST RELEASE	09-05-18	3	-	-	-	-
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SHEET 1/2	DATE	SIGN.	<b>TERMINAL PLAN</b> WD CKC-CKRC CTK., DSM, 3PH, POS, NOEX2, SSS, CS24-IR, NOBK-HT, IMP		This drawing and the information it contains are property of Rotork Controls Limited, and they will not be reproduced or disclosed, in whole or in part, without the prior written consent of Rotork.	
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